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20 July 1965

MEMORANDUM FOR: Deputy for Field Activities, OSA

SUBJECT: [] Commander's Report - June 1965

It is suggested that the following comments be sent
[] concerning subject report:

Reference Part IV, Materiel - Tactical Maintenance:

a. Air Inlet Ducts: The entire air inlet system for U-2's with J-75 engines is undergoing study at [] Headquarters has directed testing of a new inlet duct during the J-75-13B test program which is scheduled to begin about mid August.

b. EGT Bleed Off/Failure to Obtain: We have encountered inability to attain or hold a given EGT with six engines for record purposes. In each case, replacement of the fuel control failed to correct the situation even though operation in "Emergency" either corrected or improved the condition when initially encountered. Our investigation is not yet complete, but data on hand as a result of recent J-75 testing at [] together with analysis of flight histories leads us further to investigation of the following:

(1) An inlet situation which may result in tunneling of air to the burners with consequent uneven burner pressure which results in improper information to the fuel control.

(2) Introduction of air or vapor into the "control" passages of the fuel control with consequent uneven or inadequate metering.

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(3) Possibility that some fuel control/engine installations may be super-sensitive to temperature of inlet fuel. All of the above possibilities will be explored during flight test of the J-75-13B engine during August.

c. Rupture of J-75 Cross-Over Fuel Line: Failure of the line associated with SB-953 was the direct result of poor design. The line design has been corrected and the installation of SB-953 flight checked at [redacted] 25X1A
It is anticipated that new kits will be shipped to the field during the week of 26 July.

SIGNED

[redacted] 25X1A
Acting Chief, Materiel Division
OSA-DD/S&T

25X1A
MD/OSA, [redacted]:gjr

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